

### **Amendments to the Specification**

Please replace the paragraph beginning at page 3, lines 18-24, with the following amended paragraph:

These objects have been solved by the present system which includes a contact free positioning unit and storage unit arranged to store at least an image taken of said image recording unit in relation to a position given by said positioning unit and/or a time index. The system can comprise means for connecting a time and/or position index to said position and image and a note. Moreover, the system can comprise means for digitally storing images and performing a search for an event by means of a time- and/or position- and/or event index.

Please replace the paragraph beginning at page 4, lines 10-13, with the following amended paragraph:

In yet another embodiment, the positioning unit comprises: a digital compass module containing a number of magnetic axes and tilting sensors as well, compensating for the inclination of the magnetic axes and that the compass module keeping track of its position.

Please replace the paragraph beginning at page 4, lines 18-27, with the following amended paragraph:

The system also includes a database arranged to store the incoming data, comprising a model of the ship, the image taken by the image recording unit, a position of the positioning system, sound of a sound recording unit and remarks provided with time index as well. The input signals of the database comprise amongst others: one or several drawings of the object, which are re-processed to a model of the ship, a sound signal of one or several channels being

converted to a standard format and provided with time index, video signal being converted to a standard format and provided with a time index and ~~[[is]]~~ eventually compressed, position being converted to a relative position and ~~[[is]]~~ provided with a time index, and remarks, which via a user interface is introduced, is provided with time index and stored.

Please replace the paragraph beginning at page 5, lines 1-5, with the following amended paragraph:

The invention also refers to a method of inspection of an object by means of a system comprising at least an image recording means carried by an inspector, a display unit and a storing unit. The method compris~~[[ing]]~~es providing a contact free positioning unit and a device of the storing unit for at least storing an image recorded of said image recording unit in relation to a position given of said positioning unit and/or a time index.

Please replace the paragraph beginning at page 5, lines 8-25, with the following amended paragraph:

Particularly, the invention relates to a method of inspecting a floating object in a medium, particularly a ship, by means of a system comprising at least an image recording unit carried by an inspector, and a computer unit communicating with a storage unit. The method comprises providing a contact free positioning unit at least at the object, and an arrangement of the storage unit for at least storing an image taken of said image recording unit in relation to a position given of said positioning unit and/or a time index. The inspection starts with a digital drawing of the object stored in the computer or a storage unit. The image recording unit and a signal of the positioning unit is connected to the computer. The position of the inspector is shown as a dot on

the computer stored drawing. According to a preferred embodiment, the position of the inspector together with an image of the image recording unit is shown substantially continuously while the inspector moves from one position to a second position. In one embodiment, continuous registration of the position of the inspector is carried out. Preferably, at the appearance of a remark being stored and connected with an image, captions and at least a part of the drawing [[is]] are connected with the position of the drawing. At the study of the inspection data including notes is recovered by pointing at a drawing corresponding said drawing by means of an indicator in a registered movement pattern of the inspector.

Please replace the paragraph beginning at page 6, lines 2-3, with the following amended paragraph:

In the following, the invention will be described with reference to the embodiments shown [[at]] in the enclosed drawings, in which:

Please replace the paragraph beginning at page 7, lines 26-28 with the following amended paragraph:

Inertia gyro can be used in several military applications. The gyros sense the acceleration from which you can derive the direction and the speed, and keep~~[[ing]]s~~ track of the position by calculating from a given start position.

Please replace the paragraph beginning at page 8, lines 10-26 with the following amended paragraph:

The database 80, being schematically shown in Fig. 3, is arranged to store the incoming data, preferably processed data. In the database a model of the ship is stored, the film recorded by the camera of the diver, the position of the positioning system, the sound of the sound recording unit and remarks are provided with time index before they are stored. Consequently, the input signals of the database comprise:

- one or several drawings ~~[[over]]~~ of the ship, which are re-processed to a model of the ship,
- sound from one or several channels, which are converted to a standard format and provided with time- and/or position index by means of, e.g., a driving routine,
- video signal of one or several channels being converted to a standard format and provided with time- and/or position index, and are eventually compressed, by means of, e.g., a driving routine,
- position being converted to a relative position and provided with time- and/or position index by means of, e.g., a driving routine, and
- remarks, e.g., compensation remarks, being introduced via a user's interface and provided with time/or position index and ~~[[is]]~~ stored.

Please replace the paragraph beginning at page 9, lines 12-14 with the following amended paragraph:

In the main field 100, further information is present. In a lower field 110, a key to the signs ~~[[are]]~~ is shown concerning the ship being inspected and time/date for the start of the inspection as well.